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UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/662,519	09/14/2000	Stephen Richard Lewallen	STL000005US1	2052

24033   7590   08/26/2003

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EXAMINER
HOANG, PHUONG N

ART UNIT	PAPER NUMBER
2126	6

DATE MAILED: 08/26/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 07-01)

	Application No.	Applicant(s)
Office Action Summary	09/662,519	LEWALLEN, STEPHEN RICHARD
	Examiner	Art Unit
	Phuong N. Hoang	2126

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>09 June 2003</u> .

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1 - 42</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1 - 42</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

    If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____ .

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

    a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .

4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: .

DETAILED ACTION

Claim Rejections - 35 USC § 103

Claims 1 - 42 are rejected under 35 U.S.C. 103(a) as being unpatentable over the admitted prior art (APA) and in view of Robin Cover, "The SGML/XML Web Page" page 1 - 5.

As to claim 1, the APA teaches remote computer (remote computer, p. 2 lines 1 – 7), a network (network client-server system, p. 2 lines 10 – 20), one server (X server, p. 2 lines 10 – 20) receiving an object including user interface components and data from one server (X client receive GUI interface from server, p. 2 lines 10 - 18), generating user interface output (implementing GUI, p. 2 lines 19 – 25).

The APA does not teach receiving and converting a standard API in a first format to user interface API in a second format, and executing user interface API to manipulate the object.

Cover teaches receiving a standard application interfaces (standard interface, p. 1 line 18 – p. 2 line 3 and p. 4 lines 7 – 15), converting (update, p. 1 lines 1 – 20) the standard APIs to a user interface API in a second format (DHTML, p. 4 paragraph 2), executing the user interface API (dynamically access and update, p. 1 lines 1 – 21) in the second format to manipulate (manipulating, p. 1 line 5 - p. 2 line 3) the object, and generate further user interface output (the document can be further processed, p. 1 lines 1 – 4).

It would have been obvious to apply the teaching of Cover to the APA's system because it provides the capabilities to covert the interface to be compatible with the operating system platform.

As to claim 2, the APA teaches data includes at least one of text, images, and graphics (drawing or information, p. 2 lines 12 – 14).

As to claim 3, the APA as modified by Cover in claim 1 teaches receiving user input commands (accept requests from clients, p. 12 – 18), generating user interface APIs (interface, see Cover p. 1 lines 1 – 21) in the second format to implement the user output commands, executing the generated user interface APIs (dynamically access and update, p. 1 lines 1 – 21) in the second format to manipulate (manipulating, p. 1 line 5 - p. 2 line 3) the object, and generate further user interface output (the document can be further processed, p. 1 lines 1 – 4).

As to claim 4, the APA as modified by Cover in claim 1 teaches user interface output generate a web (web, p. 1 lines 1 – 3) browser interface.

As to claim 5, the APA as modified by Cover in claim 1 teaches DOM (DOM, p. 1 – 5) object and the standard APIs in the first format comprises W3C APIs (W3C DOM, p. 1 – 5).

As to claim 6, see claim 1 above.

As to claim 7, the APA teaches generating a user interface at the server (X server can respond to requests, p. 2 lines 10 – 20), receiving input to control the user interface (X server received requests from X client to control the GUI, p. 2 lines 10 – 20).

As to claim 8, see claim 2 above.

As to clam 9, the APA teaches transmitting the object to additional (X server

returns to multiple X clients, p. 2 lines 12 – 20) remote computers.

As to claim 10, the APA teaches generating a user interface at the server (X

server can respond to requests, p. 2 lines 10 – 20), receiving input to control the user

interface (X server received requests from X client to control the GUI, p. 2 lines 10 –

20).

As to claim 11, the APA teaches data is information (information, p. 2, lines 12 –

15). It would have been obvious that the information is lesson.

As to claim 12 – 14, see claim 2 – 5 above.

As to claim 15, this is the system claim of claim 1, see claim 1 above. Further,

the APA teaches a program logic (Java application, p1. lines 25 – 28).

As to claim 16 – 19, see claim 2 – 5 above.

As to claim 20, see claim 15 above.

As to claim 21, see claim 10 above.

As to claim 22, see claim 8 above.

As to claim 23 - 28, see claim 9 – 14 above.

As to claim 29, this is the program claim of claim 1. See claim 1 above.

As to claim 30 – 33, see claim 2 – 5 above.

As to claim 34, this is program claim of claim 6, see claim 6 for rejection.

As to claim 35 – 37, see claim 7 – 9 above.

As to claim 38, see claim 38, see claim 3 above.

As to claim 39, see claim 25 above.

As to claim 40, see claim 2 above.

As to claim 41, see claim 4 above.

As to claim 42, see claim 5 above.

Response to Arguments

Applicant's arguments filed on 09/14/00 have been fully considered but they are not persuasive.

Applicant argued that the reference nowhere teaches converting standard APIs that are a member of a set of standard APIs in a first format to a user interface API in a second format (p. 13 last paragraph, p. 14, p. 15 first paragraph, p. 17 first paragraph).

DOM provides a standard interface and converts the XML or HTML to DHTML which is user interface API (see Cover on page 4 second paragraph).

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Phuong N. Hoang whose telephone number is (703)

605-4239. The examiner can normally be reached on Monday - Friday 9:00 am to 5:30

pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John Follansbee can be reached on (703)305-8498. The fax phone

number for the organization where this application or proceeding is assigned is (703)

872-9306.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is (703)746-

7140.

JOHN FOLLANSBEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

ph

August 22, 2003